

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A golf ball comprising: a substantially spherically shaped body having a dimpled outer surface;

a power source contained within the body;

a transmitter coupled to the power source and configured to emit an electromagnetic signal; a shock actuated switching device contained within the body; and

a timing device configured to control transmission of the electromagnetic signal for a predetermined time period after actuation of the switching device.

Claim 2 (Original): The golf ball of claim 1, wherein the timing device comprises:

a timer configured to turn the transmitter on upon actuation of the switching device and to turn the transmitter off a predetermined time after actuation of the switching device.

Claim 3 (Original): The golf ball of claim 1, wherein the timing device comprises:

a first timer configured to turn the transmitter on a predetermined time after actuation of the switching device; and

a second timer configured to turn the transmitter off a predetermined time after actuation of the switching device.

Claim 4 (Original): A golf ball as in claim 1, wherein the transmitter comprises at least one light emitting diode.

Claim 5 (Original): A golf ball as in claim 1, wherein the transmitter comprises at least one antenna that emits a radio frequency electromagnetic signal.

Claim 6 (Original): A golf ball as in claim 1, further comprising:
a modulator configured to modulate the transmitted electromagnetic signal.

Claim 7 (Original): A golf ball as in claim 6, wherein the modulator comprises at least one of a frequency modulator, duration modulator, amplitude modulator, phase modulator, pulse code modulator, and a spread spectrum modulator.

Claim 8 (Original): The golf ball as in claim 6, wherein the modulator is configured to modulate the electromagnetic signal with player identification information.

Claim 9 (Original): The golf ball as in claim 1, wherein the power source is rechargeable.

Claim 10 (Original): The golf ball as in claim 1, further comprising:
an outer cover at least partially transparent to the electromagnetic signal.

Claim 11 (Original): The golf ball as in claim 1, wherein the electromagnetic signal is transmitted through an outer cover.

Claim 12 (Original): A golf ball comprising:
a substantially spherically shaped body having a dimpled outer surface;
a power source contained within the body; and
means coupled to the power source for transmitting an electromagnetic signal for a predetermined time period in response to application of a shock to the golf ball.

Claim 13 (Original): The golf ball of claim 12, wherein the means for transmitting an electromagnetic signal comprises:

a switching means for responding to application of a shock to the golf ball; and a timer means for controlling transmission of the electromagnetic signal after actuation of the switching means.

Claim 14 (Original): A golf ball as in claim 12, further comprising:
means for modulating the electromagnetic signal.

Claim 15 (Original): A golf ball as in claim 14, wherein the modulator means comprises at least one of a frequency modulator, duration modulator, amplitude modulator, phase modulator, pulse code modulator, or a spread spectrum modulator.

Claim 16 (Original): The golf ball as in claim 15, wherein the means for modulating the electromagnetic signal modulates the electromagnetic signal with player identification information.

Claim 17 (Original): The golf ball as in claim 12, wherein the power source is rechargeable.

Claim 18 (Original): The golf ball as in claim 12, further comprising:
an outer cover at least partially transparent to the electromagnetic signal.

Application No. 10/616,905
Reply to Office Action of June 17, 2004.

Claim 19 (Original): The golf ball as in claim 12, wherein the electromagnetic signal is transmitted through an outer cover.

Claim 20 (New): The golf ball in claim 18, wherein the electromagnetic signal is transmitted through the outer cover.